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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/520,350	10/12/2005	Toshiyuki Komori	0230-0220PUS1	7242
2292	7590 09/07/2007		EXAMINER	
PO BOX 747	ART KOLASCH & BIRCH	J	ZHENG, LI	
FALLS CHUR	.CH, VA 22040-0747		ART UNIT	PAPER NUMBER
			1638	
			<u> </u>	
			NOTIFICATION DATE	DELIVERY MODE
			09/07/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

	Application No.	Applicant(s)			
√ 2	10/520,350	KOMORI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Li Zheng	1638			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address					
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS,					
WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1: after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tilt will apply and will expire SIX (6) MONTHS from e. cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 20 April 2006.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		•			
4)⊠ Claim(s) <u>1-13</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.	cleation requirement	•			
8) Claim(s) <u>1-13</u> are subject to restriction and/or election requirement.					
Application Papers		•			
9) The specification is objected to by the Examin-					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
11) Ine oath or declaration is objected to by the E	xammer. Note the attached Office	a Action of Iomir 10 102.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
		•			
Attachment(s)	4) 🔲 Interview Summar	v (PTO-413)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail [Date			
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal 6) Other:	Patent Application			

Application/Control Number: 10/520,350

Art Unit: 1638

DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-4, drawn to a method for restoring rice fertility comprising introducing a nucleotide sequence into rice.

Group II, claim(s) 5-9, drawn to a method for discerning whether a subject rice individual or a seed thereof has the rice restore gene or not by using a nucleotide sequence encoding the polypeptide of SEQ ID NO: 75 or variants thereof.

Group III, claim(s) 10-11, drawn to a method for inhibiting the rice restore gene by using an antisense nucleotide sequence.

Group IV, claim(s) 12-13, drawn to a nucleotide sequence encoding a polypeptide of SEQ ID NO: 75 or variants thereof.

The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Application/Control Number: 10/520,350

Art Unit: 1638

The technical feature linking the inventions of Groups I-II and IV is a nucleotide sequence encoding a polypeptide that is at least 70% identical to SEQ ID NO: 75. The technical feature linking the inventions of Groups I-II&IV and group III is a nucleotide sequence having at least 100 bases and complementary to a nucleotide sequence encoding a polypeptide that is at least 70% identical to SEQ ID NO: 75. However, both technical features are anticipated by Buell et al (January 2002, GenBank Accession No. AAL58263 for protein and AC068923 for annotated nucleotide sequence). Buell et al. teach that a nucleotide sequence encoding a putative membrane associated protein which show 89% identity to SEQ ID NO: 75 (alignment attached). Therefore this technical feature does not constitute a special technical feature as defined by PCT Rule 13.2, because it does not define a contribution over the prior art.

Applicants are reminded that different nucleotide sequences and amino acid sequences are structurally distinct chemical compounds and are unrelated to one another. These sequences are thus deemed to normally constitute different inventive concepts.

Restriction to one of the nucleotide sequences of SEQ ID NO: 27, 69-74 and 80-85 is also required.

Claims that do not read on the elected nucleotide sequence or polypeptide sequence will be considered withdrawn. Applicant is advised that a reply to this requirement must include an identification of the nucleotide sequence or polypeptide

Application/Control Number: 10/520,350

Art Unit: 1638

sequence that is selected. An election that does not identify the nucleotide sequence or polypeptide sequence will be considered nonresponsive. This requirement is not to be construed as a requirement for an election of species, since each nucleotide and amino acid sequence is not a member of single genus of invention, but constitutes an independent and patentably distinct invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Li Zheng whose telephone number is 571-272-8031.

The examiner can normally be reached on Monday through Friday 9:00 AM - 5:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anne Marie Grunberg can be reached on 571-272-0975. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/520,350 Page 5

Art Unit: 1638

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

STUART F BAUM, PH.(... PRIMARY EXAMINER